

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/23558

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04H1/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 972 471 A (DALE JAMES ET AL) 20 November 1990 (1990-11-20)  column 1, line 1 - column 2, line 26; claim 1; figure 1 ---	1, 14, 27, 33, 39, 46, 53, 59, 76
A	GB 2 260 246 A (ARBITRON COMPANY THE) 7 April 1993 (1993-04-07)  page 1, line 1 - page 5, line 12; claims 1, 12; figures 1, 3 --- -/--	1, 14, 27, 33, 39, 46, 53, 59, 76

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 292 506 A (ARBITRON COMPANY THE) 21 February 1996 (1996-02-21)  page 1, line 1 - page 7, line 29; claims 1,12,15; figures 1,3 ---	1,14,27, 33,39, 46,53, 59,76
A	GB 2 170 080 A (NIPPON ELECTRIC CO) 23 July 1986 (1986-07-23) page 1, line 1 - page 2, line 6; claim 1 ---	65
A	PATENT ABSTRACTS OF JAPAN vol. 097, no. 005, 30 May 1997 (1997-05-30) & JP 09 009213 A (NEC ENG LTD), 10 January 1997 (1997-01-10) abstract ---	65
A	PATENT ABSTRACTS OF JAPAN vol. 095, no. 006, 31 July 1995 (1995-07-31) & JP 07 059030 A (SONY CORP), 3 March 1995 (1995-03-03) abstract ---	65
A	EP 0 243 561 A (IBM) 4 November 1987 (1987-11-04) page 2, line 1 - page 3, line 5; claim 1 ---	70
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A	EP 0 535 893 A (SONY CORP) 7 April 1993 (1993-04-07) page 2, line 1 - page 5, line 58; claim 1 ---	70
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